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**ENGINEER'S SUPPLEMENTAL INSTRUCTIONS NO. FIVE (005)**  
**(Via Posting to FTP Site and Electronic Mail)**

TO: Wes Weaver  
John Jacob  
Jeff Burst  
**Weaver General Construction Co.**

DATE: January 24, 2011

FROM: Roger J. Sams, P.E.  
David R. Frisch, P.L.S.  
**GMS, Inc.**

RE: Harold D. Thompson Regional Water Reclamation Facility (HDTRWRF)-Phase 1  
**ENGINEER'S SUPPLEMENTAL INSTRUCTIONS FIVE (005) (ESI-005)**

This ESI-005 is being provided in response to questions regarding the length of time wall forms must be left in place after concrete placement. In accordance with Specification Section 03300-Cast-In-Place Concrete originally issued on April 20, 2010 by GMS, Inc., concrete is to be placed in accordance with the American Concrete Institute (ACI) Standards. Neither the length of time nor the strength required prior to stripping the forms has been dictated in this specification section. Therefore, the ACI Standards apply.

In addition to the standards noted above, ACI 306R must be considered when removing forms and exposing newly placed concrete to cold weather conditions. Per ACI 306R, all concrete surfaces should be protected from freezing for at least 24 hours after placement and the appropriate curing temperatures must be maintained. Per Specification Section 03300, concrete temperature must be at or above 50°F for five (5) days, or 70°F for three (3) days.

Continuous inspections will be made of all concrete construction to best ensure the acceptance requirements are met. Any issues arising as a result of the concrete being exposed to cold weather conditions and/or the premature removal of the forms will be critically reviewed in the acceptance process. The submitted design mix includes the use of admixtures which may retard the hydration process and strength development of the concrete.

Attachment: None

cc: Lower Fountain Metropolitan Sewage Disposal District  
Fountain Sanitation District  
Colorado Centre Metropolitan District